PRACTICE QUESTION-8

```java
package psone;

public class Pseight {
        public static void main(String[] args) {
System.out.println("Methods of Strings");

                String sl=new String("Hello World");
                System.out.println(sl.length());

                //substring
                String sub=new String("Welcome");
                System.out.println(sub.substring(2));

                //String Comparison
                String s1="Hello";
                String s2="Heldo";
                System.out.println(s1.compareTo(s2));

                //IsEmpty
                String s4="";
                System.out.println(s4.isEmpty());

                //toLowerCase
                String s5="Hello";
                System.out.println(s5.toLowerCase());

                //replace
                String s6="Heldo";
                String replace=s2.replace('d', 'l');
                System.out.println(replace);

                //equals
                String x="Welcome to Java";
                String y="WeLcOmE tO JaVa";
                System.out.println(x.equals(y));

                System.out.println("\n");
                System.out.println("Creating StringBuffer");
                //Creating StringBuffer and append method
                StringBuffer s=new StringBuffer("Welcome to Java!");
                s.append("Enjoy your learning");
```

```java
        System.out.println(s);

        //insert method
        s.insert(0, 'w');
        System.out.println(s);

        //replace method
        StringBuffer sb=new StringBuffer("Hello");
        sb.replace(0, 2, "hEl");
        System.out.println(sb);

        //delete method
        sb.delete(0, 1);
        System.out.println(sb);

        //StringBuilder
        System.out.println("\n");
        System.out.println("Creating StringBuilder");
        StringBuilder sb1=new StringBuilder("Happy");
        sb1.append("Learning");
        System.out.println(sb1);

        System.out.println(sb1.delete(0, 1));

        System.out.println(sb1.insert(1, "Welcome"));

        System.out.println(sb1.reverse());

        //conversion
        System.out.println("\n");
        System.out.println("Conversion of Strings to StringBuffer and StringBuilder");

        String str = "Hello";

// conversion from String object to StringBuffer
StringBuffer sbr = new StringBuffer(str);
sbr.reverse();
System.out.println("String to StringBuffer");
System.out.println(sbr);

// conversion from String object to StringBuilder
StringBuilder sbl = new StringBuilder(str);
sbl.append("world");
System.out.println("String to StringBuilder");
```
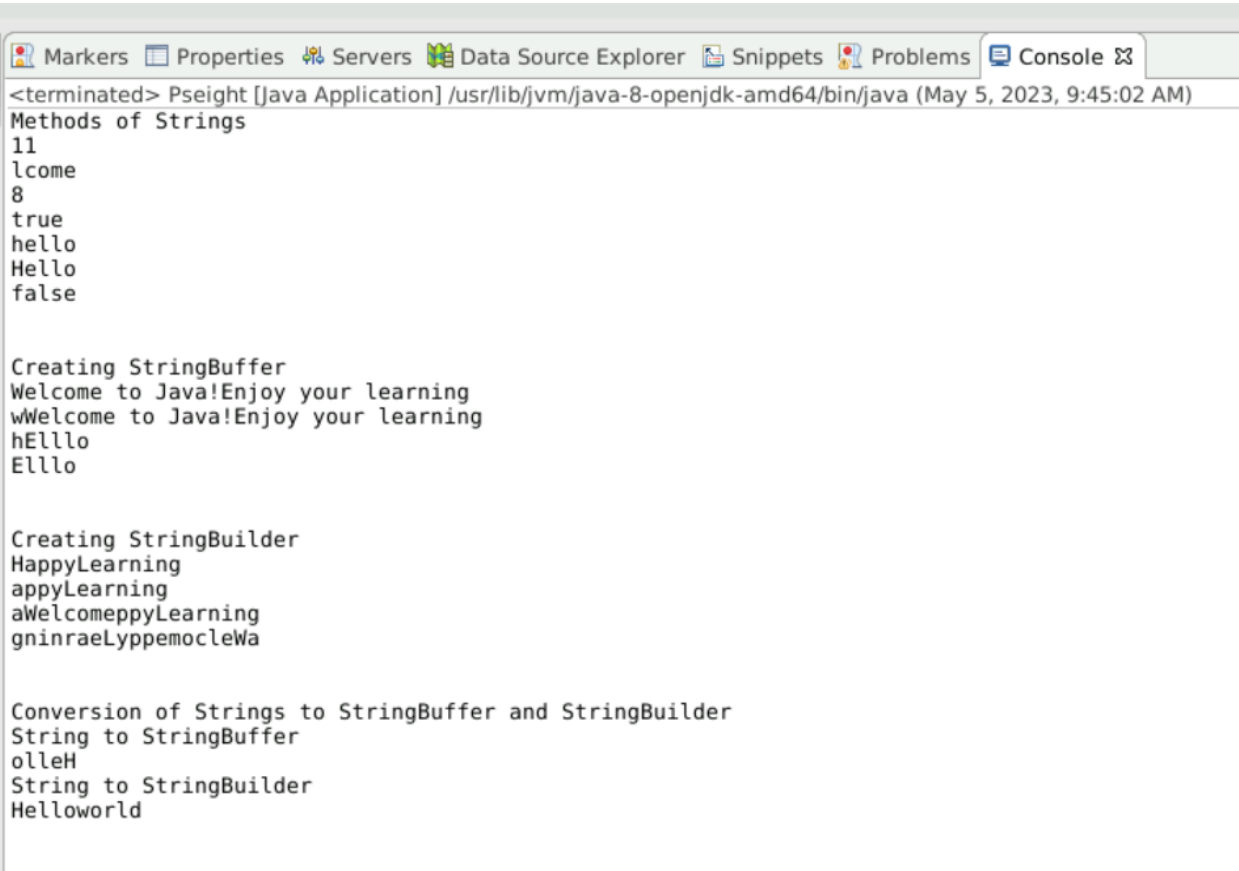
```
            System.out.println(sbl);


        }
}
```

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Methods of Strings
11
lcome
8
true
hello
Hello
false


Creating StringBuffer
Welcome to Java!Enjoy your learning
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Creating StringBuilder
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Conversion of Strings to StringBuffer and StringBuilder
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String to StringBuilder
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```